NAME: PMDOUT; DISCLOSURES UNDER CONSIDERATION

0000049750

**794 ;T MICROWAVE/GAS CHROMATOGRAPHY/10-24-77
CODE 3 ;I D. WATSON
;C ELECTRICAL + MICROWAVE
;D R&D/ANALYTICAL DIVISION/OSDENE/WILL
;A MICROWAVE SPECTROSCOPY FOR SELECTIVE DETECTION OF COMPONENTS
;A ELUTING FROM A GAS CHROMATOGRAPH.
;S GMJS/RELATED TO PM 795; 2-15-78 SEARCH COMPLETED; AWAITING
;S FURTHER EVALUATION BY INVENTOR

**795 ;T MICROWAVE/GAS CHROMATOGRAPHY/10-24-77
CODE 3 ;I D. WATSON
;C ELECTRICAL + MICROWAVE
;D R&D/ANALYTICAL DIVISION/OSDENE WILL
;A MICROWAVE ENERGY SOURCE SELECTIVELY VAPORIZED COMPONENTS FOR
;A FURTHER SEPARATION BY GC.
;S GMJS/RELATED TO PM 794; 2-15-78 SEARCH COMPLETED--BEING STUDIED
;S BY INVENTOR; AWAITING FURTHER EVALUATION BY INVENTOR

**816 ;T COPOLYMER POSSESSING WATER AND/OR ETHANOL SOLUBILITY FOR MAKING
;T SMOKING COMPOSITIONS/3-2-78
;I W. JOHNSON, JR. AND H. GRUBBS
;C FLAVOR + RELEASE + POLYMER
;D R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON
;A MONOMERS OF FLAVOR-RELEASE POLYMERS ARE MIXED WITH MONOMERS
;A CONTAINING POLAR GROUPS AND COPOLYMERIZED TO GIVE A COPOLYMER
;A WHICH POSSESSES WATER AND/OR ETHANOL SOLUBILITY. TYPICALLY
;A THE COPOLYMERIZATIONS ARE CARRIED OUT IN BULK USING FREE RADICAL
;A CATALYSTS. SMOKING COMPOSITIONS ARE TREATED WITH THE POLYMERS
;A BY SPRAYING OR BY INCORPORATING IN RECONSTITUTED TOBACCO.
;S SAH/8-78 DISCUSSED WITH INVENTORS; AWAITING COMPLETION OF
;S EXAMPLE WORK AND SAMPLES

**829 ;T ON-LINE QUANTITATION OF PLASTICIZER IN FILTER RODS/4-24-78
;I D. WATSON AND W. HARVEY
;C INSTRUMENT
;D R&D/ANALYTICAL DIVISION/OSDENE/WILL

Source: https://www.industrydocuments.ucsf.edu/docs/mxcj0000

;A THE DEVICE WOULD PROVIDE FOR MEASUREMENT OF ABSORBED ENERGY AT
;A SELECTED MICROWAVE FREQUENCIES AS THIS ENERGY IS DIRECTED THROUGH
;A THE FILTER RODS ON A MAKER. THESE MEASURFMENTS, ONCE CALIBRATED
;A AGAINST PLASTICIZER CONTENT OF THE FILTER MATERIAL, WOULD BE
;A USED THROUGH A FEED-BACK CIRCUIT TO CONTROL THE AMOUNT OF
;A PLASTICIZER ADDED.
;S GMJS/CLOSE PM PRIOR ART; AWAITING FURTHER DEVELOPMENT

0000049751

**849 ;T POLYMERS FOR IMPROVING FLAVOR AND AROMA OF SMOKE/9-29-78
;I H. GRUBBS, T. VAN AUKEN, AND W. JOHNSON, JR.
;C FLAVOR + POLYMER
;D R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON
;A POLYMERS OF UNSATRUATED ALIPHATIC, AROMATIC CARBONATES CAN BE
;A PREPARED IN WAYS SIMILAR TO THE PREPARATIONS OF UNSATURATED
;A ALIPHATIC, ALIPHATIC CARBONATES AS DISCLOSED IN PM 687. THESE
;A POLYMERS, WHEN ADDED TO CIGARETTE FILLER, ON SMOKING LIBERATE
;A PHENOLICS TO THE SMOKE-STREAM, WHICH IMPROVE THE FLAVOR AND AROMA
;A OF THE SMOKE.
;S SAH/11-6-78 EXAMPLES BEING PREPARED; URGENT TO GET ON FILE

**850 ;T POLYMERS OF NICOTINE AND NICOTINE ANALOGUES/9-29-78
;I W. JOHNSON, JR.
;C FLAVOR + POLYMER
;D R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON
;A POLYMERS OF NICOTINE ANALOGUES AND OF NICOTINE ITSELF, WHICH
;A POSSESS CARBONATE OR ESTER LINKAGES, ARE TO BE PREPARED FROM
;A SUITABLE SUBSTITUTED NICOTINES VIA CONDENSATION REACTIONS. THE
;A POLYMERS WOULD CONSIST OF NICOTINE MOIETIES, MOIETIES OF SUB-
;A STITUTED NICOTINES JOINED BY ESTER LINKAGES OR OF NICOTINIC
;A ESTERS THAT HAVE BEEN CONDENSED WITH APPROPRIATE DIOLS, WHICH MAY
;A OR MAY NOT BE NICOTINIC IN CHARACTER BUT WHICH IN COMBUSTION
;A AND/OR PYROLYSIS WILL YIELD NICOTINE AND PRODUCTS THAT DO NOT
;A ADVERSELY AFFECT CIGARETTE SMOKE.
;S SAH/11-6-78 SEARCH DONE--TO INVENTORS FOR REVIEW; AWAITING MORE
;S DEFINITIVE INFORMATION AND EXAMPLES

**851 ;T SOLANESOL ANALOGUES AND ESTERS THEREOF FOR APPLICATION TO
;T CIGARETTE FILLER/9-29-78
;I W. JOHNSON, JR. AND H. GRUBBS

Source: https://www.industrydocuments.ucsf.edu/docs/mxcj0000

!C FLAVOR
!D R&D/CHEMICAL RESEARCH DIVISION/BSDENE/JOHNSON
!A SOLANESOL ANALOGUES AND ESTERS THEREOF ARE TO BE APPLIED TO
!A CIGARETTE FILLER AND SMOKED. IMPROVED SUBJECTIVE RESPONSE SHOULD
!A RESULT, THE EFFICACY SHOULD OPTIMIZE IN THOSE CIGARETTES WHOSE
!A TAR DELIVERIES ARE LOW, I.E., BELOW 9-10 MG WHEN SMOKED BY
!A STANDARD MACHINE METHODS.
!S SAH

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Source: https://www.industrydocuments.ucsf.edu/docs/mxcj0000

NAME= PMFC0UT APPLICATIONS BEING PREAPRED

0000049753

**787 ;T USE 0F PHENOLIC GLYC0SIDES AS FLAV0RANTS IN T0BACC0/9-21-77
C0DE 3 ;I E. SANDERS
;C FLAV0R + RELEASE + SYNTHESIS
;D R&D/CHEMICAL RESEARCH DIVISI0N/0SDENE/J0HNS0N
;A PHENOLIC GLYC0SIDES USEFUL AS FLAV0RANTS IN SM0KING MATERIALS
;A ARE DISCL0SED. ON PYR0LYSIS, THE PHEN0L FLAV0RANT IS RELEASED T0
;A FLAV0R THE SM0KE. ADVANTAGE0US IN THAT THE C0MP0UNDS ARE
;A 0D0RLESS AND REDUCE PACK AR0MA.
;S D&0/SAH/9-19-78 DISCL0SURE SENT T0 DEPAOLI & 0'BRIEN F0R
;S EVALUATION AND APPLICATION PREPARATION; 10-6 SEARCH RECEIVED
;S FR0M D&0; AWAITING C0MMENTS FR0M INVENTOR RE D&0 EVALUATION

**828 ;T USE 0F ALKYLPYRAZINE-CARB0NYL ADDUCTS AS FLAV0RANTS 0N T0BACC0
;T 4-20-78
;I Y. H0UMINER AND E. SANDERS
;C FLAV0R
;D R&D/CHEMICAL RESEARCH DIVISI0N/0SDENE/J0HNS0N
;A REACTI0N 0F ALKYLPYRAZINES AND ALKYLPYRIDINE WITH A CARB0NYL
;A C0MP0UND IN THE PRESENCE 0F A STR0NG BASE GIVES RISE T0
;A C0NDENSATI0N PR0DUCTS. ADDITION 0F SUCH C0MP0UNDS T0 T0BACC0
;A RESULTS IN IMPR0VEMENT IN B0TH MAINSTREAM AND SIDESTREAM
;A SM0KE.
;S D&0/SAH/1-6-79 C0RRECTED DRAFT RETURNED T0 D&0; TFD 2-1-79

**837 ;T FRACTI0NATI0N 0F STANDARD PUFF 0F SM0KE FR0M A CIGARETTE/5-30-78
;I R. NEWMAN, W. J0NES, AND R. JENKINS, JR.
;C MECHANICAL
;D R&D/CHEMICAL RESEARCH DIVISI0N/0SDENE/J0HNS0N
;A SYSTEM IS DESIGNED T0 SPREAD THE TPM AR0UND THE EDGE 0F A
;A CAMBRIDGE PAD. THE PURP0SE F0R SUCH A METH0D 0F C0LLECTI0N IS
;A THAT VARI0US P0RTI0NS 0F A 2-SECOND PUFF CAN BE SEPARATED,
;A ESPECIALLY USEFUL WHEN IS0T0PES, EITHER RADI0ACTIVE 0R STABLE,
;A ARE INC0RP0RATED INT0 THE FILLER. THE SEPARATI0N W0ULD
;A ASCERTAIN AT WHICH P0INT IN THE PUFF THE ADDED MATERIALS ARE
;A ELUTED.
;S GEI/1-10-79 FIRST DRAFT C0MPLETED--T0 INVENTORS

Source: https://www.industrydocuments.ucsf.edu/docs/mxcj0000

T. S. OSDENE - RESEARCH/1-17-79

NAME = PMFCOUT APPROVED IS BEING PREAPPED

0000049754

787 :T USE OF PHENOLIC GLYCOSIDES AS FLAVORANTS IN TOBACCO/9-21-77
DE 3 :I E. SANDERS
:C FLAVOR + RELEASE + SYNTHESIS
:D R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON
:A PHENOLIC GLYCOSIDES USEFUL AS FLAVORANTS IN SMOKING MATERIALS
:A ARE DISCLOSED. IN PYROLYSIS, THE PHENOL FLAVORANT IS RELEASED TO
:A FLAVOR THE SMOKE. ADVANTAGEOUS IN THAT THE COMPOUNDS ARE
:A ODORLESS AND PRACTICE PACK AROMA.
:S D&O/SAH/9-15-77 DISCLOSURE SENT TO LEPAOLI & O'BRIEN FOR
:S EVALUATION AND APPLICATION PREPARATION; 10-6 SEARCH RECEIVED
:S FROM D&O; AWAITING COMMENTS FROM INVENTOR RE D&O EVALUATION

MAR 19 1979
T. S. OSDENE

828 :T USE OF ALKYLPYRAZINE-CARBONYL ADDUCTS AS FLAVORANTS ON TOBACCO
:T 4-20-78
:I Y. HOUMINER AND E. SANDERS
:C FLAVOR
:D R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON
:A REACTION OF ALKYLPYRAZINES AND ALKYLPYRIDINE WITH A CARBONYL
:A COMPOUND IN THE PRESENCE OF A STRONG BASE GIVES RISE TO
:A CONDENSATION PRODUCTS. ADDITION OF SUCH COMPOUNDS TO TOBACCO
:A RESULTS IN IMPROVEMENT IN BOTH MAINSTREAM AND SIDESTREAM
:A SMOKE.
:S D&O/SAH/1-6-79 CORRECTED DRAFT RETURNED TO D&O; TFD 2-1-79

837 :T FRACTIONATION OF STANDARD PUFF OF SMOKE FROM A CIGARETTE/5-30-78
:I R. NEWMAN, W. JONES, AND R. JENKINS, JR.
:C MECHANICAL
:D R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON
:A SYSTEM IS DESIGNED TO SPREAD THE TPM AROUND THE EDGE OF A
:A CAMBRIDGE PAD. THE PURPOSE FOR SUCH A METHOD OF COLLECTION IS
:A THAT VARIOUS PORTIONS OF A 2-SECOND PUFF CAN BE SEPARATED,
:A ESPECIALLY USEFUL WHEN ISOTOPES, EITHER RADIOACTIVE OR STABLE,
:A ARE INCORPORATED INTO THE FILLER. THE SEPARATION WOULD
:A ASCERTAIN AT WHICH POINT IN THE PUFF THE ADDED MATERIALS ARE
:A ELUTED.
:S GEI/1-10-79 FIRST DRAFT COMPLETED--TO INVENTORS

Source: https://www.industrydocuments.ucsf.edu/docs/mxcj0000